

What is claimed is:

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1. A computer system comprising:
a display screen;
a pointing device including a position
indicating button thereon, wherein said pointing
5 device emits a beam of light in response to a
push of said position indicating button; and
a position detecting unit detecting a
position where said beam reaches on said display
screen.
 2. The computer system according to claim 1,
wherein said pointing device emits said beam only
when said position indicating button is pushed.
 3. The computer system according to claim 1,
wherein said display screen includes an LCD
(Liquid Crystal Display), and
wherein said position detecting unit
5 detects said position based on a transmitting
portion of said beam transmitting through said
LCD.
 4. The computer system according to claim 3,
wherein said position detecting unit includes:
a plurality of photodetectors arranged in
rows and columns, each of which outputs a beam

5 detection signal in response to said transmitting portion of said beam, and

a processing unit determining said position in response to said beam detection signals.

5. The computer system according to claim 1, wherein said position detecting unit detects said position based on a scattered portion of said beam being scattered by said display screen.

6. The computer system according to claim 5, wherein said position detecting unit includes:

a plurality of first photodetectors arranged in a row at a first edge of said display
5 screen, and

a plurality of second photodetectors arranged in a column at a second edge of said display screen.

7. The computer system according to claim 6, wherein said display screen is a CRT (Cathode Ray Tube) display.

8. The computer system according to claim 1, wherein said pointing device includes an LED (Light Emitting Diode) that emits said beam.

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9. The computer system according to claim 1, wherein said pointing device includes a laser that emits said beam.

10. The computer system according to claim 1, further comprising a processing unit displaying a cursor on said display screen,

wherein said processing unit moves said
5 cursor to said position when said position indicating button is pushed.

11. The computer system according to claim 10, wherein said pointing device outputs a position indication allowing signal in response to said push of said position indicating button, and

5 wherein said processing unit moves said cursor to said position in response to said position indication allowing signal.

12. The computer system according to claim 11, further comprising a cable connected to said pointing device, wherein said position indication allowing signal is transmitted through said cable.

13. The computer system according to claim 11, wherein said processing unit displays a figure on said display screen, and

wherein said pointing device further
5 includes a click button thereon, and

wherein said figure is selectable by a
click of said click button when said figure is
pointed by said cursor.

14. The computer system according to claim 13,
further comprising a cable connected to said
pointing device, wherein said pointing device
outputs a click signal in response to said click
5 of said click button, and

wherein said processing unit causes said
figure to be selected in response to said click
signal, and

wherein said position indication allowing
10 signal and said click signal are transmitted
through said cable.

15. A pointing device system comprising:
a pointing device including a position
indicating button thereon, wherein said position
indicating button allows said pointing device to
5 emit a beam of light in response to a push of
said position indicating button; and

a position detecting unit detecting a
position at which said beam reached on a display
screen.

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16. A method of operating a computer system,
said method comprising:

emitting a beam of light in response to a
push of a position indicating button provided for
5 a pointing device; and

detecting a position at which said beam
reaches on a display screen.

17. The method according to claim 16, wherein
said beam is emitted only when said position
indicating button is pushed.

18. The method according to claim 16, wherein
said display screen includes an LCD (Liquid
Crystal Display), and

wherein said position is detected based on
5 a transmitting portion of said beam transmitting
through said LCD.

19. The method according to claim 16, wherein
said position is detected based on a scattered
portion of said beam being scattered by said
display screen.

20. The method according to claim 16, further
comprising:

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displaying a cursor on said display screen;
and

5 moving said cursor to said position when
said position indicating button is pushed.

21. The method according to claim 20, further
comprising:

displaying a figure on said display screen,
and

5 selecting said figure in response to a
click of a click button provided for said
pointing device.

22. A method for indicating a position on a
display screen, said method comprising:

providing a pointing device including a
position indicating button thereon;

5 pushing said position indicating button to
allow said pointing device to emit a beam of
light to indicating said position on said display
screen.

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